### GENERAL NOTES:

- 1. ALL CONSTRUCTION SEQUENCING AND OPERATIONS SHALL CONFORM TO THE APPLICABLE PROVISIONS OF AC 150/5370-2E OPERATIONAL SAFETY ON AIRPORTS DURING CONSTRUCTION (LATEST EDITION). PAYMENT FOR MAINTENANCE OF TRAFFIC AND REQUIREMENTS OF THE SEQUENCE OF CONSTRUCTION SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 2. THE CONTRACTOR MUST STAGE CONSTRUCTION AROUND AIRPORT OPERATIONS. STAGING SHOWN IS SUGGESTED AND IS INTENDED TO PROVIDE THE CONTRACTOR WITH MAJOR WORK AREAS WHILE MINIMIZING DISRUPTIONS TO AIRPORT OPERATIONS. THE CONTRACTOR MAY USE ALTERNATE STAGING PLANS, HOWEVER, ALTERNATE STAGING PLANS MUST MAINTAIN AIRPORT OPERATIONS TO THE SATISFACTION OF THE AIRPORT DIRECTOR AND RESIDENT ENGINEER AND BE APPROVED BY THE DIVISION OF AERONAUTICS AND FEDERAL AVIATION ADMINISTRATION.
- 3. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER TWO WORKING DAYS IN ADVANCE OF ANY STAGING CHANGES WHICH WILL REQUIRE CHANGES IN AIRCRAFT MOVEMENT. THE RESIDENT ENGINEER SHALL THEN NOTIFY THE AIRPORT WHO WILL ISSUE APPROPRIATE NOTAMS. THE MOVING AND MAINTENANCE OF ALL TRAFFIC CONTROL SIGNS, BARRICADES, LATHE/RIBBON AT A.O.A. LIMITS ETC. SHALL BE THE CONTRACTOR'S RESPONSIBILITY, AND SHALL BE INCIDENTAL TO THE CONTRACT.
- 4. BARRICADES AT 10' CENTERS SHALL BE PLACED AT THE LOCATIONS SHOWN OR AS DIRECTED BY THE ENGINEER.
  BARRICADES SHALL BE WEIGHTED TO PREVENT BLOWING OVER, HAVE A FLASHING RED LIGHT AND CONFORM TO IDOT STANDARD 702001, TYPE II. ROPE WITH HIGH VISIBILITY ORANGE FLAGGING SHALL BE INSTALLED BETWEEN ALL BARRICADES.
- 5. THE AIRPORT DIRECTOR IN CONSULTATION WITH THE RESIDENT ENGINEER SHALL HAVE FINAL SAY IN THE APPROVAL OF THE CONSTRUCTION OPERATING SEQUENCE AS IT RELATES TO PEDESTRIAN, VEHICULAR AND AIRCRAFT SAFETY.
- 6. THE CONTRACTOR SHALL KEEP ALL TRUCKS, EQUIPMENT AND MATERIALS OFF OF THE EXISTING PAVEMENTS, EXCEPT AS SHOWN OR WITH THE PRIOR APPROVAL OF THE AIRPORT DIRECTOR
- 7. EXISTING AREAS BEYOND PROJECT LIMITS INCLUDING THE HAUL ROAD(S) DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO PRE-CONSTRUCTION CONDITION AT NO ADDITIONAL COST TO THE OWNER AND TO THE SATISFACTION OF THE RESIDENT ENGINEER AND
- 8. EACH DAY AT THE COMPLETION OF WORK, OR MORE FREQUENTLY AS DETERMINED BY THE AIRPORT DIRECTOR, THE CONTRACTOR SHALL BE REQUIRED TO USE A PICKUP TYPE SWEEPER IN ALL ACTIVE CONSTRUCTION AIRFIELD PAVEMENT AREAS AND HAUL ROADS. THE COST OF SWEEPING SHALL
- 9. CONTRACTOR'S EQUIPMENT SHALL BE STORED IN THE EQUIPMENT AND MATERIAL STORAGE AREA WHEN CONSTRUCTION IS NOT IN PROGRESS.
- 10. CONTRACTOR'S WORK WITHIN AIRCRAFT OPERATIONS AREA (A.O.A.) SHALL BE EXPEDITED TO MINIMIZE ANY TEMPORARY CLOSURE TIME.
- 11. WORK PERFORMED BY THE CONTRACTOR OUTSIDE OF DAYLIGHT HOURS SHALL BE DONE UNDER SUFFICIENT ARTIFICIAL AREA LIGHTING TO ALLOW FOR PROPER CONSTRUCTION METHODS AND INSPECTIONS. LIGHT SHALL CONSIST OF MOVABLE POLE MOUNTED FLOODLIGHTS AND/OR SPOTLIGHTS OF SUFFICIENT NUMBER TO ILLUMINATE THE WORK AREA. VEHICLE HEADLIGHTS WILL BE ALLOWED ONLY IN ADDITION TO OTHER LIGHTS MENTIONED ABOVE. LIGHTING SHALL BE AS APPROVED BY THE RESIDENT ENGINEER AND SHALL NOT BE USED IF THEY AFFECT FLIGHT SAFETY.
- 12. ANYTIME THE CONTRACTOR IS REQUIRED TO LITHITE OR CROSS ACTIVE AIRFIELD PAVEMENTS FOR ACCESS TO AND FROM THE WORK ZONE A FULL TIME CROSSING GUARD IN RADIO CONTACT WITH THE AIR TRAFFIC CONTROL TOWER SHALL BE FURNISHED BY THE CONTRACTOR FOR MOVEMENTS OF VEHICLES OR EQUIPMENT TO AND FROM THE WORK ZONE. THE RADIO OPERATOR SHALL BE FAMILIAR WITH AIRPORT GROUND CONTROL PROCEDURES. THE CONTRACTOR SHALL PROVIDE THEIR OWN RADIOS, ANY PAVEMENT DAMAGED BY CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY BY HIM TO THE CONTRACTOR SPALL FRONDE HER CONTRACTORS, AND FAVORENT DAMAGED BY CONTRACTOR'S OPERATIONS STALL BE REFAIRED IMMEDIATELY BY HIM TO THE SATISFACTION OF THE RESIDENT ENGINEER AND DIRECTOR OF OPERATIONS AT NO ADDITIONAL COST OF THE OWNER, PAVEMENT SHALL BE CONTINUALLY SWEPT TO PROVIDE A DEBRIS FREE SURFACE DURING ALL HAUL ROAD OPERATIONS. THIS COST OF CROSSING GUARDS, PAVEMENT REPAIR OR ANY NECESSARY ITEMS ASSOCIATED WITH THE SEQUENCE OR STAGING SHALL NOT BE PAID SEPERATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 13. THE CONTRACTOR WILL BE REQUIRED TO HAVE A SWEEPER AVAILABLE FOR USE AT ALL TIMES. WHEN ACTIVE AIRFIELD PAVEMENTS ARE UTILIZED AS HAUL ROADS BY THE CONTRACTOR, MATERIAL TRACKED ON TO THE PAVEMENT SHALL BE CONTINUALLY REMOVED WITH SAID SWEEPER. THIS SWEEPING SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 14. IF REQUESTED BY THE AIRPORT, FAA, OR ENGINEER, REMOVAL ITEMS/MATERIALS SHALL BE DELIVERED TO A DESIGNATED LOCATION AT THE AIRPORT MAINATANENACE BUILDING. IF NOT REQUESTED, MATERIALS REMOVED FROM THE PROJECT SHALL BE DISPOSED OF OFF OF AIRPORT PROPERTY (INCIDENTAL).
- 15. PAYMENT FOR TRAFFIC CONTROL INCLUDING, BUT NOT LIMITED TO, BARRICADES, SIGNING, RUNWAY CLOSE MARKERS, AIR OPERATIONS AREA (A.O.A.) LATHE AND RIBBON, ETC. SHALL NOT BE PAID FOR SEPERATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 16. THE CONTRACTOR WILL BE REQUIRED TO PLACE A LINE OF LATHE AND RIBBON ALONG THE AIR OPERATIONS AREA (A.O.A.) LIMIT AND ALONG DESIGNATED LIMITS OF CONSTRUCTION AT LOCATIONS AS SHOWN ON THE PLANS.

MAXIMUM ANTICIPATED HEIGHT

OF CONSTRUCTION EQUIPMENT: 25'

CONSTRUCTION TO

RUNWAY 2L/20R

STA. 124+00.00, 340' LT.

RUNWAY 2L/20R CENTERLINE

GEOGRAPHIC NAD 83:

LATITUDE: 41'54'02.33

LONGITUDE: 88'15'09 45"

POTENTIAL OBJECT ELEVATION: 775.5 = (GROUND ELEVATION 750.5 + TRUCK 25')

MAXIMUM ANTICIPATED HEIGHT OF CONSTRUCTION EQUIPMENT: 25'

POINT "C" — @ SIGN CONSTRUCTION CLOSEST POINT OF CONSTRUCTION TO

RUNWAY 10/28

STA. 236+56,73, 245' RT.

RUNWAY 10/28 CENTERLINE

GEOGRAPHIC NAD 83:

LONGITUDE: 88'15'25.47

POTENTIAL OBJECT FLEVATION: 776.5 =

POINT "A" - @ SIGN CONSTRUCTION CLOSEST POINT OF

DESIGN AIRCRAFT APPROACH CATEGORY: D DESIGN AIRPORT GROUP: III

POTENTIA

CONTRACTOR SHALL PLAN AND PERFORM HIS WORK SO

OR HAUL ROAD ACCESS OF OTHER CONTRACTORS (SEE

SPECIAL PROVISIONS SECTION 30-05). THE PRIME

CONSTRUCTION CONCURRENTLY WITH THIS PROJECT

SOUTH FLIGHT CENTER APRON — PHASE 4

HANGAR CONSTRUCTION

CONTRACTOR WILL BE RESPONSIBLE TO COORDINATE

CONSTRUCTION ACTIVITIES AND ACCESS BETWEEN ALL ON-SITE CONTRACTORS SUBCONTRACTORS. IT IS

ANTICIPATED THE FOLLOWING PROJECTS MAY BE UNDER

AS NOT TO INTERFERE OR HINDER THE PROGRESS, WORK

MAXIMUM ANTICIPATED HEIGHT

POINT "B" - @ SIGN CONSTRUCTION CLOSEST POINT OF

OF CONSTRUCTION EQUIPMENT: 25'

CONSTRUCTION TO

RUNWAY 2R/20L

STA. 251+43.75, 245' LT. RUNWAY 2R/20L CENTERLINE

GEOGRAPHIC NAD 83:

LONGITUDE: 88'14'46.40" TIAL OBJECT ELEVATION: 7

(GROUND ELEVATION 751 + TRUCK 25')

OF CONSTRUCTION EQUIPMENT: 25'

POINT "D" - @ SIGN CONSTRUCTION CLOSEST POINT OF

CONSTRUCTION TO

RUNWAY 15/33 (10/28 CLOSED)

STA, 24+55.96, 200' RT.

RUNWAY 15/33 CENTERLINE

GEOGRAPHIC NAD 83:

LATITUDE: 41°54'57.66

POTENTIAL OBJECT FLEVATION: 779.5

LATITUDE: 41°54'25.97

- 17. THE CONTRACTOR SHALL CONTACT THE RESIDENT ENGINEER AND THE AIRPORT DIRECTOR A MINIMUM OF FIVE (5) WORKING DAYS IN ADVANCE OF THE START OF CONSTRUCTION SO THAT THE APPROPRIATE NOTAMS MAY BE ISSUED.
- 18. COORDINATION BY THE CONTRACTOR WITH THE EXISTING UTILITIES SHALL BE COMPLETED BEFORE CONSTRUCTION IS STARTED. SEE SECTION 50-17 OF THE SPECIAL PROVISIONS FOR SPECIFIC REQUIREMENTS,
- 19. ORANGE CONES SHALL BE PLACED AT 25' CENTERS ALONG THE PAVEMENT EDGE DURING PAVING OPERATIONS OF THE CLOSURE LANES TO PREVENT VEHICLES FROM ENTERING.
- VEHICLES AND EQUIPMENT OPERATING ON THE AIRPORT SHALL DISPLAY ORANGE AND WHITE FLAGS (SEE DETAIL THIS SHEET) AND HAVE BEACON LIGHTS.
- 21. ANY PAVEMENT DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY BY HIM TO THE SATISFACTION OF THE RESIDENT ENGINEER AND THE AIRPORT DIRECTOR AT NO ADDITIONAL COST TO THE OWNER. THE PAVEMENT SHALL BE CONTINUALLY SWEPT TO PROVIDE A DEBRIS-FREE SURFACE DURING HAUL ROAD OPERATIONS. THIS COST SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE
- 22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ALL CONSTRUCTION ACCESS GATES CLOSED AT ALL TIMES UNLESS THE GATE IS MANNED WITH A GUARD (COST INCIDENTAL). THE CONTRACTOR SHALL PROVIDE AN "AUTHORIZED PERSONNEL ONLY" SIGN AT THE ACCESS GATE. THE CONTRACTOR SHALL CLOSE AND LOCK THE ACCESS GATE UPON LEAVING THE SITE. THROUGHOUT THE DURATION OF THE CONTRACT, ANY DAMAGES TO THE ACCESS ROAD, ACCESS GATE OR FENCING ADJACENT TO THE PROJECT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE RESIDENT ENGINEER. ALL COSTS RELATING TO THE CONTRACTOR'S ACCESS AND
- 23. WORK WITHIN THE A.O.A. SHALL BE EXPEDITED. ANY DROP OFF SHALL BE ADEQUATELY LIGHTED, SIGNED AND BARRICADED. NO MATERIAL SHALL BE STOCKPILED WITHIN THE A.O.A. SHOULD IT BECOME NECESSARY FOR THE CONTRACTOR TO TEMPORARILY RELOCATE EQUIPMENT TO ALLOW AIRCRAFT TO PASS, HE SHALL DO SO AT NO EXTRA COST TO THE CONTRACT. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND THE AIRPORT DIRECTOR TWO (2) WORKING DAYS IN ADVANCE OF ANY PLANNED CONSTRUCTION WITHIN THESE LIMITS.
- 24. IN THE EVENT OF AN EMERGENCY, THE CONTRACTOR SHALL NOTIFY THE AIRPORT DIRECTOR AND THE RESIDENT
- 25. DURING ADVERSE WEATHER, THE CONTRACTOR SHALL MAKE PROVISIONS FOR ACCESS TO THE WORK AT NO ADDITIONAL COST TO THE CONTRACT. NO EXTENSION OF CONTRACT TIME WILL BE CONSIDERED FOR DELAYS DUE TO LACK OF ADEQUATE ACCESS TO WORK.
- 26. THE TALLEST PIECE OF CONSTRUCTION EQUIPMENT IS ANTICIPATED TO BE AN AUGER/DRILL TRUCK, WHICH HAS A MAXIMUM HEIGHT OF 25 FEET.
- 27. IF RUNWAY NUMERALS ARE PRESENT DURING CONSTRUCTION, THE CONTRACTOR SHALL PLACE "RUNWAY CLOSED" MARKERS OVER THE NUMERALS AS DETAILED IN THE PLANS. OTHERWISE, "RUNWAY CLOSED" MARKERS SHALL BE PLACED IN THE TURF AT THE ENDS OF THE RUNWAY AS DETAILED IN THE PLANS.
- 28. RUNWAYS SHALL BE CLOSED DURING ANY TIME THE CONTRACTOR IS WORKING WITHIN THE RUNWAY A.O.A. AND/OR OPEN EXCAVATIONS NOT MEETING THE RUNWAY GRADING CRITERIA EXIST WITHIN 200' OF THE
- 29. ALL EXISTING TAXIWAY AND RUNWAY AIRFIELD LIGHTING CIRCUITS, FAA CABLES AND OTHER AIRPORT ELECTRICAL CABLES SHALL REMAIN IN SERVICE UNTIL REPLACED AS ACCEPTABLE TO THE RESIDENT ENGINEER. ALL TEMPORARY CABLING AND SPLICING NECESSARY TO KEEP THE CIRCUITS IN OPERATION SHALL BE CONSIDERED
- 30. FOR ALL MANDATORY INSTRUCTION SIGNS (RUNWAY HOLD SIGNS AND CRITICAL AREA SIGNS), THE CONTRACTOR SHALL REUSE THE EXISTING GUIDANCE SIGN(S) UNTIL THE PERMANENT SIGN(S) ARE CONSTRUCTED AND OPERATIONAL. THE CONTRACTORS METHODS OF REMOVAL, TEMPORARY PLACEMENT, CABLING AND ILLUMINATION SHALL BE APPROVED BY THE AIRPORT AND ENGINEER. TEMPORARY GUIDANCE SIGN(S) AND REMOVAL OF THE TEMPORARY SIGN(S) SHALL BE INCIDENTAL.
- 31. AFTER ALL CONSTRUCTION IS COMPLETE, ALL SIGNS REMOVED AND/OR USED AS TEMPORARY ITEMS SHALL BE TURNED OVER TO THE AIRPORT. ANY SIGNS THAT THE AIRPORT DOES NOT WANT ALONG WITH ALL SIGN CONCRETE BASES SHALL BE DISPOSED OF OFF SITE. DISPOSAL SHALL BE INCIDENTAL.

## LIMITATIONS ON CONSTRUCTION WITHIN AIRPORT OPERATIONS AREA (AOA)

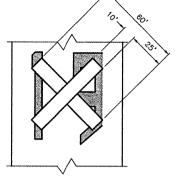
THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND DIRECTOR OF OPERATIONS TWO (2) WORKING DAYS IN ADVANCE OF ANY PLANNED CONSTRUCTION PHASE CHANGES, WORK SHALL BE EXPEDITED IN RUNWAY 2R/20L, 10/28 AND RUNWAY 15/33 A.O.A. AND NEAR OPEN TAXIWAYS, IF DURING RUNWAY CLOSURE AN EMERGENCY IS DECLARED, THE CONTRACTOR SHALL IMMEDIATE CLEAR THE RUNWAY OF ALL VEHICLES, MEN AND EQUIPMENT.

### TAXIWAYS:

CONSTRUCTION WILL BE ALLOWED UP TO THE EDGE OF THE TAXIWAY PAVEMENTS WITHOUT CLOSURE ON A LIMITED BASIS, WORK WITHIN THE TAXIWAY A.O.A. SHALL BE EXPEDITED. ANY DROP OFF SHALL BE ADEQUATELY LIGHTED, SIGNED AND BARRICADED. NO MATERIAL SH. BE STOCKPILED WITHIN THE A.O.A. SHOULD IT BE NECESSARY FOR THE CONTRACTOR TO TEMPORARILY RELOCATE EQUIPMENT TO ALLOW AIRCRAFT TO PASS, THEY SHALL DO SO AT NO EXTRA COST TO THE PROJECT. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AND AIRPORT DIRECTOR TWO (2) WORKING DAYS IN ADVANCE OF ANY PLANNED CONSTRUCTION WITHIN THESE LIMITS.



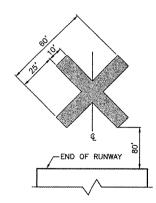
CONSTRUCTION EQUIPMENT AND TRUCK SIGNAL FLAG ORANGE/WHITE



- 1. CLOSED RUNWAY MARKERS SHALL BE YELLOW.
- 2. MARKERS SHALL BE A MATERIAL APPROVED BY
- 3. CONTRACTOR SHALL MAINTAIN AND RELOCATE MARKERS AS SHOWN ON THE PLANS OR AS NEEDED TO FACILITATE CONSTRUCTION.
- 4. MARKERS SHALL BE PLACED OVER EXISTING RUNWAY NUMERALS AS SHOWN.
- 5. COST OF FURNISHING, INSTALLING, MAINTAINING AND REMOVING MARKERS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 6. DURING VARIOUS PHASES OF WORK, IT WILL BE NECESSARY TO CLOSE RUNWAYS TO AIR TRAFFIC ON A TEMPORARY BASIS AS COORDINATED WITH THE AIRPORT AND TOWER PERSONNEL. THE CONTRACTOR SHALL MARK THE RUNWAYS TO BE LOCATION AND DIMENSIONS DETAILED ON THIS RESPECTIVE RUNWAYS ACCORDING TO THE VARIOUS PHASES OF WORK AS DELINEATED IN THE SUGGESTED SEQUENCE OF CONSTRUCTION

## CLOSED RUNWAY MARKER DETAIL

ON PAVEMENT - NO SCALE



- 1. CLOSED RUNWAY MARKERS SHALL BE YELLOW.
- 2. MARKERS SHALL BE A MATERIAL APPROVED BY
- 3. CONTRACTOR SHALL MAINTAIN AND RELOCATE MARKERS AS SHOWN ON THE PLANS OR AS NEEDED TO FACILITATE CONSTRUCTION.
- 4. MARKERS SHALL BE PLACED 80-FEET OFF THE RUNWAY-END OR AS NOTED.
- 5. COST OF FURNISHING, INSTALLING, MAINTAINING AND REMOVING MARKERS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT

# CLOSED RUNWAY MARKER DETAIL

OFF PAVEMENT - NO SCALE

IL. CONTRACT: DU078 IL. LETTING ITEM: 9A IL. PROJECT: DPA-3836 A.I.P. PROJECT: 3-17-0017-B23

SURVEY BOOK # BOOK #

REVISIONS		
NUMBER	BY	DATE
0	1	2

THIS BAR IS EQUAL TO 2 AT FULL SCALE (34X22)

# CONSTRUCTION ES AND DETAIL P P P шZ ENC! EQUI

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DUPAGE AIRPORT WEST CHICAGO, ILLINOIS AIRFIELD SIGNAGE UPDATES

JRL. DRAWN BY JRO CHECKED BY JRL PPROVED BY DIP 2/27/2009 JOB No: 08257-02-00

**FINAL** 

SHEET 5 OF 18 SHEETS